

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101124AL\
 Data File : FC067414.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 23:58
 Operator : YP/AJ
 Sample : P4368-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 03:25:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.943	4822983	42.608 ug/ml
Spiked Amount 50.000		Recovery =	85.22%
Target Compounds			
1) T n-Nonane (C9)	3.276	344234	2.716 ug/ml
2) T n-Decane (C10)	4.341	419795	3.266 ug/mlm
4) T n-Dodecane (C12)	6.357	503826	3.883 ug/ml
6) T n-Tetradecane (C14)	8.151	487961	3.789 ug/ml
7) T n-Hexadecane (C16)	9.749	488725	3.671 ug/ml
8) T n-Octadecane (C18)	11.189	526177	3.880 ug/ml
10) T n-Eicosane (C20)	12.497	564023	4.320 ug/ml
11) T n-Heneicosane (C21)	13.108	546912	4.264 ug/ml
13) T n-Docosane (C22)	13.693	553426	4.334 ug/ml
14) T n-Tetracosane (C24)	14.795	563364	4.405 ug/mlm
15) T n-Hexacosane (C26)	15.815	539803	4.281 ug/mlm
16) T n-Octacosane (C28)	16.764	530105	4.220 ug/ml
17) T n-Tricontane (C30)	17.651	541416	4.203 ug/mlm
18) T n-Dotriacontane (C32)	18.482	554419	4.438 ug/ml
19) T n-Tetratriacontane (C34)	19.264	533286	4.880 ug/ml
20) T n-Hexatriacontane (C36)	20.005	512964	5.427 ug/mlm
21) T n-Octatriacontane (C38)	20.729	492876	5.620 ug/ml
22) T n-Tetracontane (C40)	21.616	476295	5.535 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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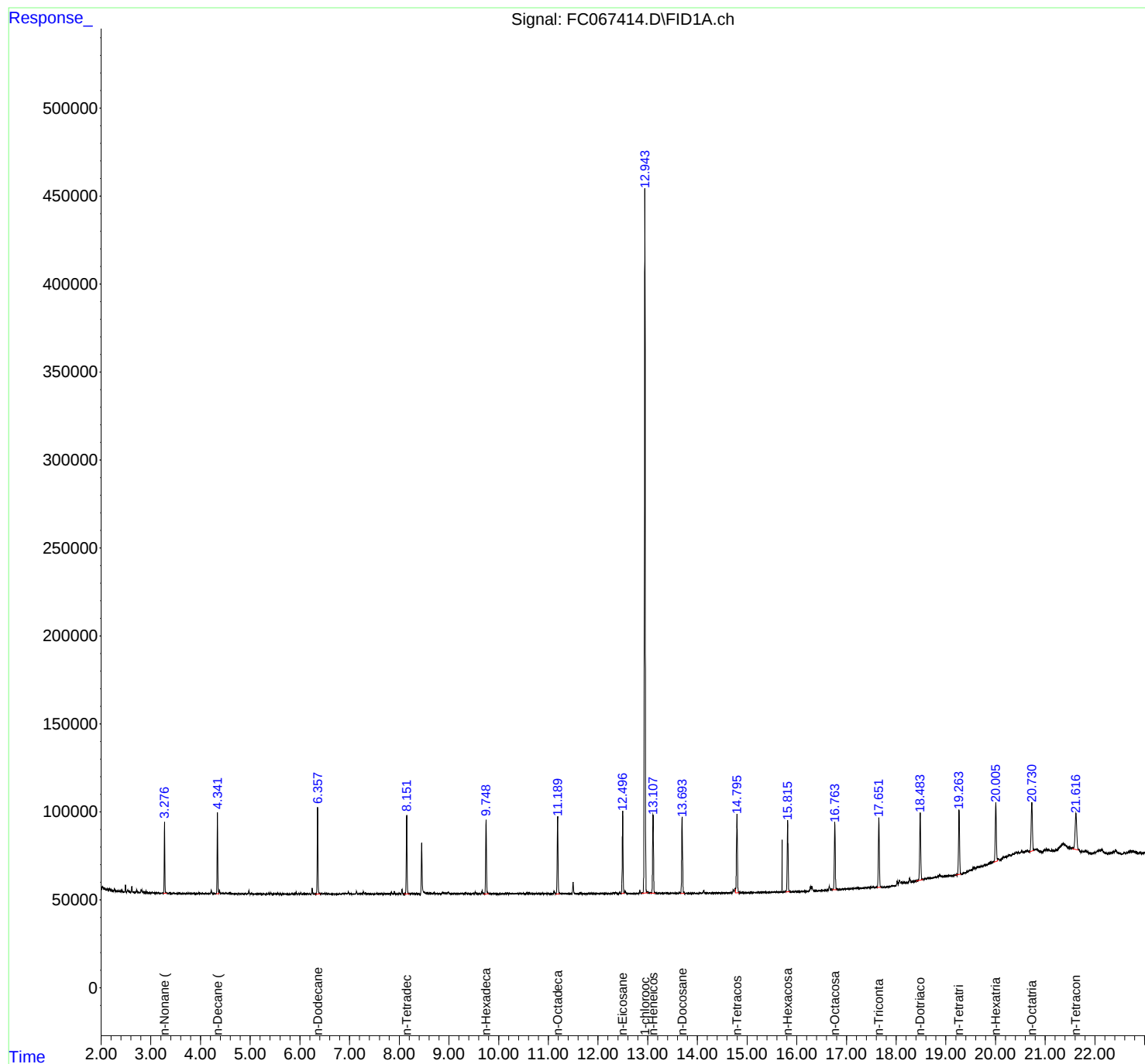
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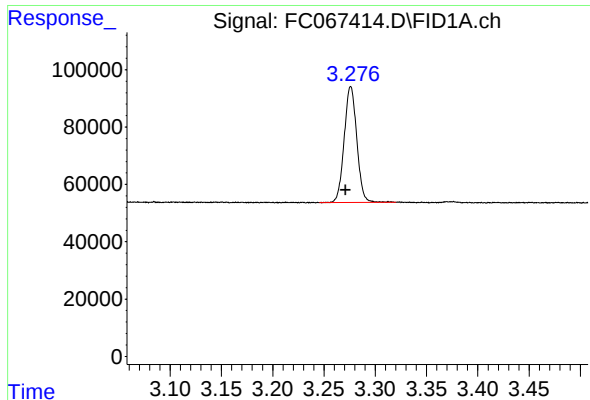
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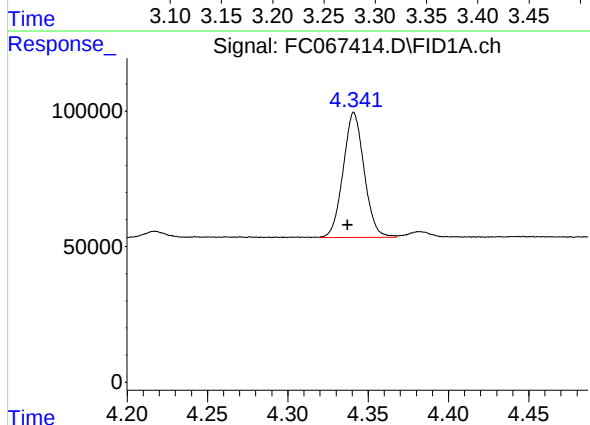
#1 n-Nonane (C9)

R.T.: 3.276 min
Delta R.T.: 0.005 min
Response: 344234
Conc: 2.72 ug/ml

Instrument :
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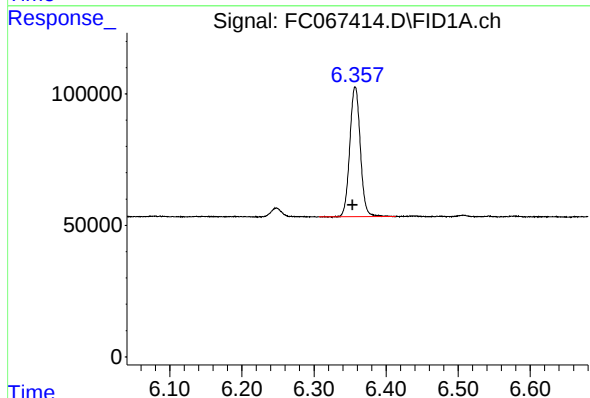
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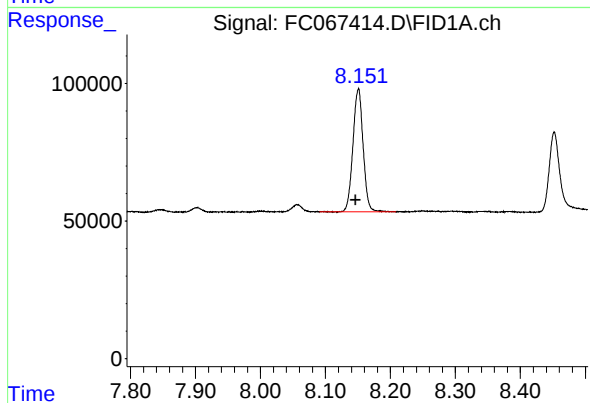
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 419795
Conc: 3.27 ug/ml



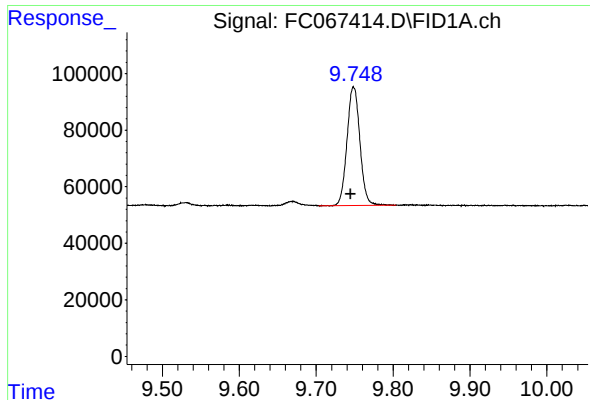
#4 n-Dodecane (C12)

R.T.: 6.357 min
Delta R.T.: 0.004 min
Response: 503826
Conc: 3.88 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.151 min
Delta R.T.: 0.004 min
Response: 487961
Conc: 3.79 ug/ml



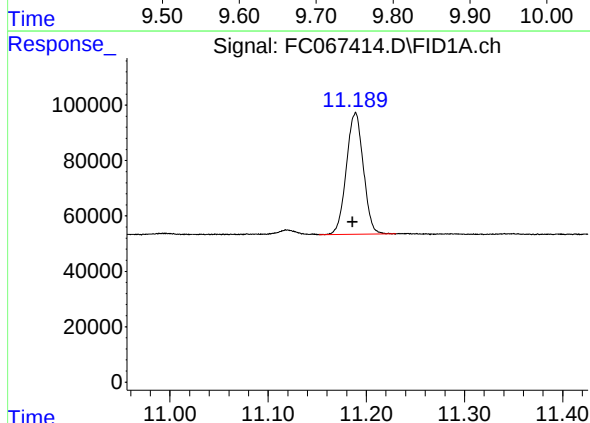
#7 n-Hexadecane (C16)

R.T.: 9.749 min
Delta R.T.: 0.004 min
Response: 488725
Conc: 3.67 ug/ml

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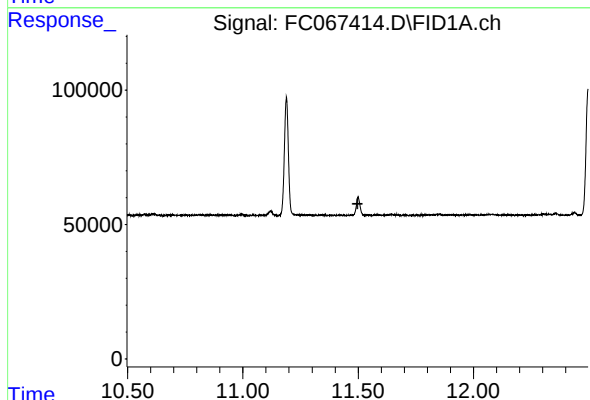
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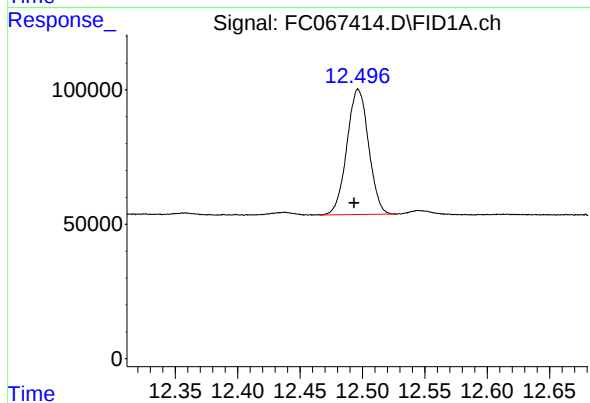
#8 n-Octadecane (C18)

R.T.: 11.189 min
Delta R.T.: 0.003 min
Response: 526177
Conc: 3.88 ug/ml



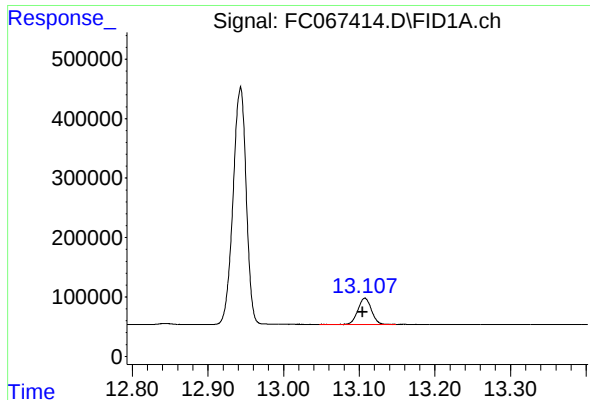
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.497 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.003 min
Response: 564023
Conc: 4.32 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.108 min
Delta R.T.: 0.003 min
Response: 546912
Conc: 4.26 ug/ml

Instrument :

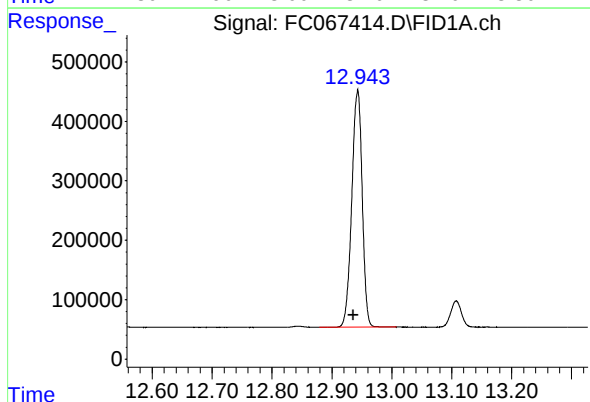
FID_C

ClientSampleId :

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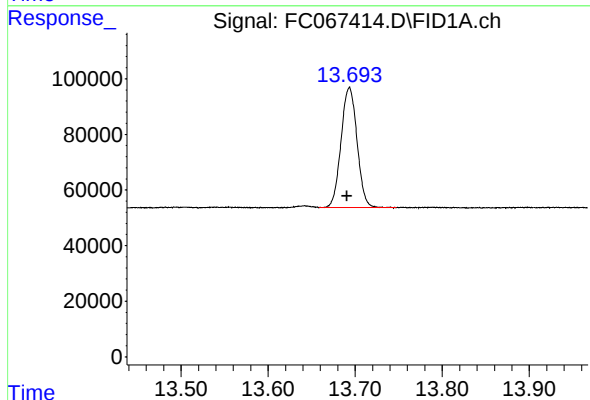
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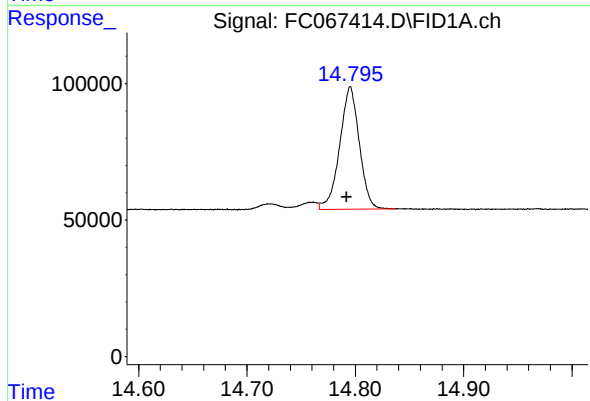
#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.007 min
Response: 4822983
Conc: 42.61 ug/ml



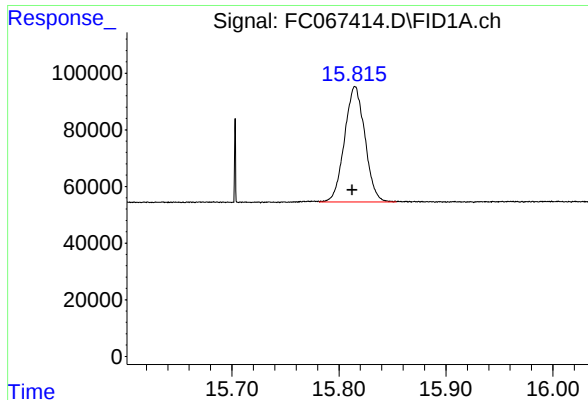
#13 n-Docosane (C22)

R.T.: 13.693 min
Delta R.T.: 0.003 min
Response: 553426
Conc: 4.33 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.004 min
Response: 563364
Conc: 4.40 ug/ml m



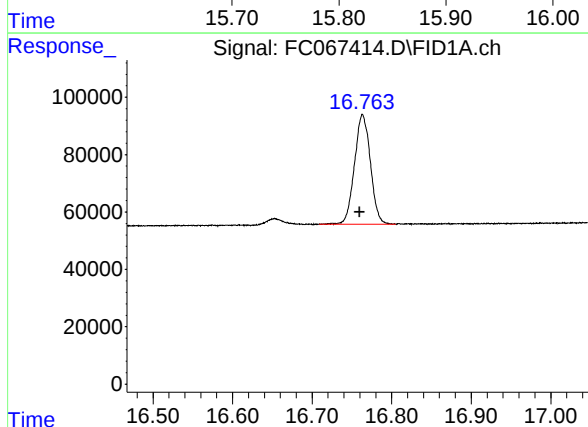
#15 n-Hexacosane (C26)

R.T.: 15.815 min
Delta R.T.: 0.002 min
Response: 539803
Conc: 4.28 ug/ml

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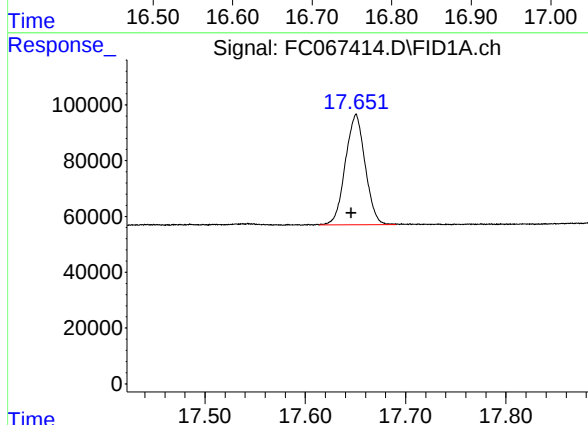
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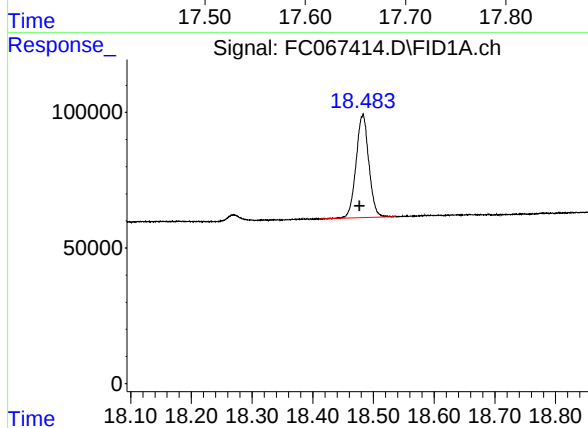
#16 n-Octacosane (C28)

R.T.: 16.764 min
Delta R.T.: 0.004 min
Response: 530105
Conc: 4.22 ug/ml



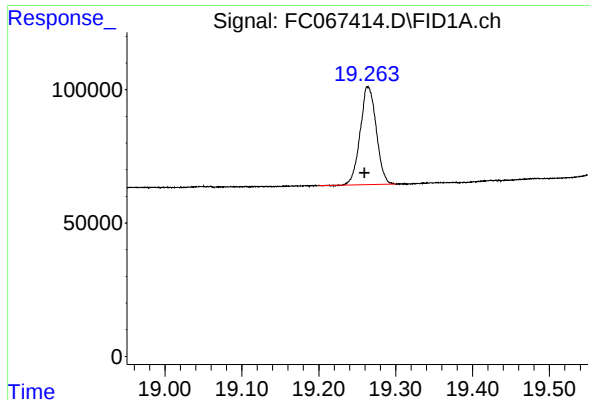
#17 n-Tricontane (C30)

R.T.: 17.651 min
Delta R.T.: 0.004 min
Response: 541416
Conc: 4.20 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.482 min
Delta R.T.: 0.005 min
Response: 554419
Conc: 4.44 ug/ml



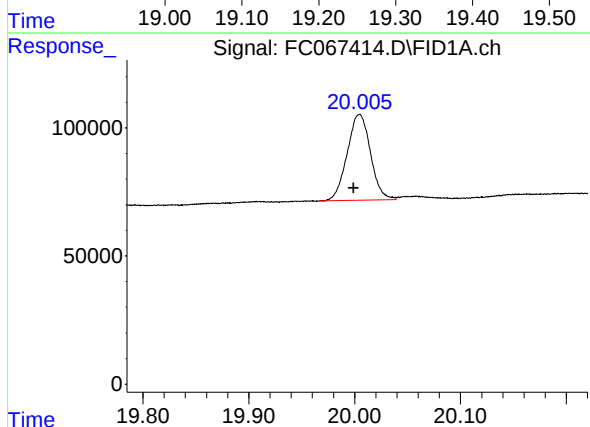
#19 n-Tetratriacontane (C34)

R.T.: 19.264 min
Delta R.T.: 0.005 min
Response: 533286
Conc: 4.88 ug/ml

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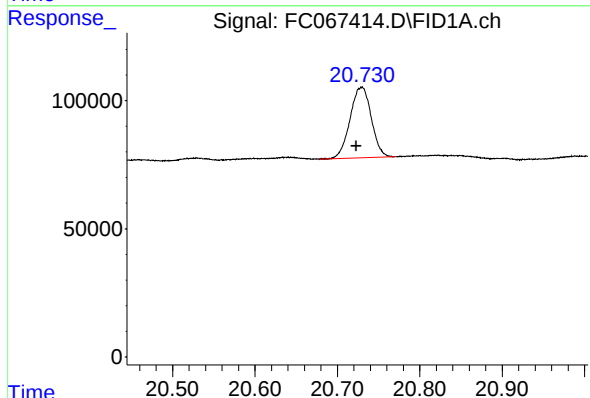
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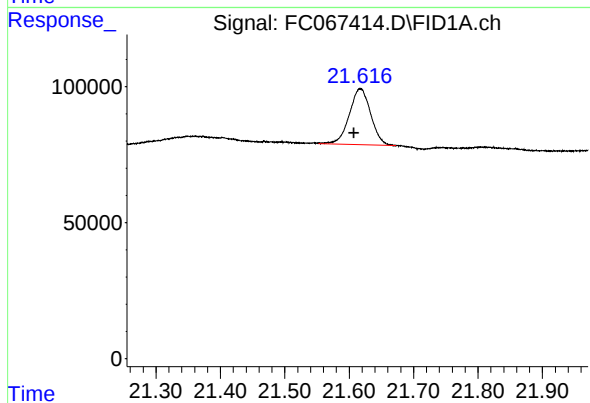
#20 n-Hexatriacontane (C36)

R.T.: 20.005 min
Delta R.T.: 0.006 min
Response: 512964
Conc: 5.43 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.729 min
Delta R.T.: 0.006 min
Response: 492876
Conc: 5.62 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.616 min
Delta R.T.: 0.009 min
Response: 476295
Conc: 5.54 ug/ml m